

### Abstract

A system (100) that is capable of transmitting a displayable message to a short message entity (102, 104 or 105) in more than one data package over a conveying network. The system (100) uses a capacity determiner (206) to determine a capacity of the conveying network for transmitting data. Based on this capacity of the conveying network, a fragmenter (204) divides the displayable message into fragments at an application protocol layer. The size of a fragment does not exceed the capacity of the conveying network. Finally, a packager (208) packages the fragments into data packages. The data packages are operable to be separately transmitted by a short message service over the conveying network. The data packages may include a reference parameter corresponding to the position of the fragment in the displayable message. Further, a reference parameter may indicate the total size of the displayable message being fragmented and packaged. When all of the fragments of the displayable message are received at the terminating short message entity (102, 104 or 105), a fragment retriever (304) retrieves the fragments. A message reconstructor (306) reconstructs the displayable message. The displayable message is then passed to a disposing device (308).